

INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2003/002704

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C12N 1/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 1/20

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CA, PubMed, Delphion, KIPASS,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 12-295996 A (TAKANOYUTAKA) 24 OCTOBER 2000 See the whole documents	1-2
A	Fujio T et al, "High level expression of XMP aminase in E.coli its application for the industrial production of 5'-guanylic acid" Biosci Biotechnol Biochem. 1997 May;61(5):840-5 See the abstract	1-2
A	KR 02-57470 A (CJ CORP.) 11 JULY 2002 See the abstract	1-2
A	KR 02-57472 A (CJ CORP.) 11 JULY 2002 See the abstract	1-2
A	KR 01-89980 A (CJ CORP.) 01 OCTOBER 2001 See the abstract	1-2
A	JP 59-078687 A (KYOWA HAKO KOGYO Co., LTD) See the abstract	1-2

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
"E" earlier application or patent but published on or after the international filing date
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"O" document referring to an oral disclosure, use, exhibition or other means
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&" document member of the same patent family


Date of the actual completion of the international search

30 MARCH 2004 (30.03.2004)

Date of mailing of the international search report

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